



## PE324TS-40-2

GENERAL PURPOSE ELECTRIC MOTOR

NEMA PREMIUM EFFICIENCY

TOTALLY ENCLOSED FAN COOLED

INVERTER DUTY 10:1 CT; 20:1 VT - NEMA MG1 PART 31

Factory Certified for T2B Class I, Division II, Groups A,B,C & D and Class II, Division II, Groups F & G



### DIMENSIONS

HP	RPM	Frame	MOUNTING														
			A	B	C	D	G	H	J	E	2E	2F1	2F2	O	P	T	BA
40	3600	324TS	15.5	13.2	28.3	8	1	0.66	2.75	6.25	12.5	10.5	NA	15.9	15.7	2.6	5.25

Shaft Extension, Key Set						Conduit Box		Bearings		Mount
U	V	R	S	ES	N-W	AA	AB	DE	ODE	
1.875	3.5	1.591	0.5	2.03	3.75	2	12.3	6312	6312	F1

**BEARING LUBRICATION:** The bearings come lubricated with Mobil Polyrex EM Polyurea Grease. It is recommended that you add some additional lubrication when the motor is installed.

Three options (brands) for suitable lubrication include, but are not limited to, the following:

- 1.) Mobil Polyrex EM
- 2.) Citco Polyurea MP
- 3.) Conoco Phillips Polytac EP





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### PERFORMANCE DATA

HP	RPM	Frame	Voltage	Frequency (Hz)	Full Load S.F.	Insulation Class	NEMA Design	Slip (%)	NEMA Code	Enclosure Type	IP Rating	Max. Ambient
40	3545	324TS	208-230/460	60	1.15	F	B	1.5	G	TEFC	55	40 °C

Amps (460V)		Efficiency (%)			Power Factor			Torque (ft-lb)			DE Bearing	ODE Bearing	Connection	Weight (lbs.)
FLA	LRA	100%	75%	50%	100%	75%	50%	FLT	LRT %	BDT %				
45.5	290	92.4	92.0	91.0	0.90	0.88	0.83	59.2	140	250	6312	6312	12 Lead 2Δ/Δ	495

### NAME PLATE

		AC INDUCTION MOTOR INVERTER DUTY 20:1 VT; 10:1 CT								CONNECTION DIAGRAMS		
CAT NO.		PE324TS-40-2				FRAME		324TS		PHASE 3		
HZ	60	S.F.	1.15	HZ	50	S.F.	1.0	ENCL	TEFC	IP	55	
HP	40	RPM	3545	HP	40	RPM	2935	DUTY CONT	DES	B		
VOLTS 208-230/460		VOLTS 190/380		AMB 40 °C		INS F						
AMPS 94.9 - 91 / 45.5		AMPS 110/55		DE BRG 6312								
CODE G	P.F.	0.90	CODE F	P.F.	0.91	ODE BRG 6312						
EFF 92.4	MIN 91.0	EFF 90.7	MIN 89.3	LUB: Mobil Polyrex EM								
MOTOR WEIGHT 495	LBS	CONNECTION 12 Lead 2Δ/Δ		SER NO								
General purpose use on industrial machinery installed in damp, dusty or dirty environments. Hernando, Mississippi								CC082A				

### APPLICATIONS:

General purpose use on pumps, fans, blowers, compressors, conveyors, material handling and other industrial machinery installed in damp, dusty or dirty environments.